



The Internet is changing life as we know it – bringing new economic and social opportunities to communities throughout the world, and increasing the global demand for information and communication technology (ICT) skills. Innovations such as social networking, cloud computing, e-commerce, web conferencing, and desktop virtualization are changing the way we live, work, play, and learn. These capabilities are all powered by networks, and organizations around the world are experiencing a shortage of qualified ICT candidates to design, install, and manage these networks.

CCNA Exploration

The Cisco® CCNA® Exploration curriculum provides the experience needed to help meet the growing demand for ICT professionals. The courses help prepare students for entry-level career opportunities, continuing education, and the globally recognized Cisco CCNA certification.

CCNA Exploration teaches networking based on technology, covering networking concepts using a top-down, theoretical, and integrated approach – from network applications to the network protocols and services provided to those applications by the lower layers of the network. CCNA Exploration includes the following features:

- Courses emphasize critical thinking, problem solving, collaboration, and the practical application of skills, and provide students with the skills needed to succeed in networking-related degree programs
- Rich multimedia content, including Flash-based interactive activities, videos, games, and quizzes, addresses a

variety of learning styles and help stimulate learning and increase knowledge retention

- Packet Tracer simulation-based learning activities promote the exploration of networking concepts and allow students to experiment with network behavior and ask “what if” questions
- Hands-on labs help students develop critical thinking and complex problem solving skills and encourage exploration and research
- Innovative assessments provide immediate feedback to support the evaluation of knowledge and acquired skills
- The curriculum discusses networking concepts in depth and uses language that allows for integration with engineering concepts, providing a deep, theoretical understanding of networking concepts for experienced learners with advanced problem-solving and analytical skills.

Course Description

CCNA Exploration explains the role and nature of the main application protocols and their relation to protocols and services provided to them by the lower layers of the network. All courses are technology focused, and students thoroughly learn each technology (routing, switching, and WANs) within a single course.

Students learn the basics of routing, switching, and advanced technologies to help them prepare for the Cisco CCNA certification exam. The CCNA certification is highly valued in the global networking industry and provides validation of the skills and knowledge required for entry-level networking careers.

CCNA Exploration can be delivered as an independent curriculum or integrated into a broader course of broader course of study, such as degree programs in IT, engineering, math, or science. The CCNA Exploration curriculum consists of four courses that offer flexibility in the delivery of the courses.

Cisco Networking Academy

In partnership with schools and organizations around the world, the Cisco Networking Academy® program delivers a comprehensive learning experience to help students

Course Name	Description
Network Fundamentals	Following a top-down approach, the first course introduces applications and application services very early in the curriculum to provide a foundation. Advanced technologies (voice, video, wireless, and security) are also introduced.
Routing Protocols and Concepts	Routing and switching topics and concepts are grouped to allow for a higher level of flexibility in the course delivery. All routing topics are covered in the Routing Protocols and Concepts course and all switching topics are covered in the LAN Switching and Wireless course. These courses can be taught either in sequence or simultaneously.
LAN Switching and Wireless	
Accessing the WAN	The last course, Accessing the Wan, thoroughly covers all WAN technologies. All courses include advanced and challenging labs and activities that allow students to visualize and gain hands-on experience with the application protocols and services introduced in the course.

develop information and communication technology (ICT) skills for entry-level career opportunities, continuing education, and globally-recognized career certifications.

Networking Academy teaches ICT skills to students from virtually every socioeconomic background and region of the world. Students gain the skills needed to pursue networking careers in a variety of industries such as technology, healthcare, financial services, fashion, entertainment, and more. Students also gain access to a global support group, career developments tools, and social networking resources to help them become architects of the human network.

For More Information

Cisco Networking Academy
www.cisco.com/go/netacad

Course Catalog
www.cisco.com/go/netacadcourses

Locate an academy
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Certifications
www.cisco.com/go/certifications